

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 03/00084

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A23K 1/00, C11B 5/00, A23D 9/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A23K, C11B, A23D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CHEM. ABS DATA, EPO-INTERNAL, WPI DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 0001249 A1 (NORSK HYDRO ASA), 13 January 2000 (13.01.00) --	1-6
X	WO 0146355 A1 (NORSK HYDRO ASA), 28 June 2001 (28.06.01) --	1-6
X	Daskalov H. et al; "Influence of oxidized lipids in diets on the development of rainbow trout fry syndrome"; Journal of Fish Diseases, 23, 1 (January 2000), pages 7-14. --	1-6

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

16 June 2003

Date of mailing of the international search report

24-06-2003

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Olsen R.E. et al; "The influence of temperature, dietary polyunsaturated fatty acids, $\alpha$ -tocopherol and spermine on fatty acid composition and indices of oxidative stress in juvenile Arctic char, <i>Salvelinus alpinus</i> (L.)"; Fish Physiology and Biochemistry, 20, 1 (January 1999), pages 13-29.  --	1-6
X	Waagbø, R.; "The impact of nutritional factors on the immune system in Atlantic salmon, <i>Salmo salar</i> L.: a review"; Aquaculture and fisheries management, 25 (1994), pages 175-197.  --	1-6
A	WO 9612415 A1 (NORSK HYDRO A.S), 2 May 1996 (02.05.96)  -- -----	1-6

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International application No.  
**PCT/NO03/00084**

## Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: **1-6**  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
  
**see next sheet**
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

Present claims 1 - 6 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and / or disclosure within the meaning of Article 5 PCT is to be found for only a very small proportion of the compounds to which the present claims relate. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible.

Consequently, the search has been carried out only for those parts of the claims which appear to be supported and disclosed, namely those parts related to urea and the amines and amides in WO0146355 (page 5, Table 1), namely: allylurea, hexylamine, N-ethyl-diisopropylamine, N,N'-dimethylurea, Oxamide and butyramide.

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

02/06/03

International application No.

PCT/NO 03/00084

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
WO	0001249	A1	13/01/00	AU 4399999 A	24/01/00
				CA 2336272 A	13/01/00
				CN 1307453 T	08/08/01
				EP 1091657 A,B	18/04/01
				JP 2002519479 T	02/07/02
				NO 309795 B	02/04/01
				NO 983050 A	03/01/00
				ZA 200007556 A	15/03/02
WO	0146355	A1	28/06/01	AU 2238601 A	03/07/01
				CA 2394622 A	28/06/01
				EP 1240285 A	18/09/02
				NO 311041 B	01/10/01
				NO 996411 A	25/06/01
WO	9612415	A1	02/05/96	AU 3817995 A	15/05/96
				CA 2203106 A	02/05/96
				CN 1104845 B	09/04/03
				CN 1169659 A	07/01/98
				DE 69508420 D	00/00/00
				DK 786946 T	11/10/99
				EP 0786946 A,B	06/08/97
				ES 2131866 T	01/08/99
				GR 3030527 T	29/10/99
				JP 10508197 T	18/08/98
				NO 944028 D	00/00/00
				US 5874118 A	23/02/99